

Ershad Kunnakkadan

Résumé

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Technical skills

Languages	Ruby, Python, Shell Script, C, C++, HTML/CSS/Haml/SaSS, JavaScript, Visual Basic, Embedded programming with C	Frameworks	Ruby on Rails, WebDriverIO, ReactJS, AngularJS, Qt4, Pyxmpp, pythontwitter, jQuery, gammu, gloox, Silpa
DevOps	AWS, Heroku, Cloudflare, DigitalOcean, Docker, Ansible, Chef, Terraform, Nomad, Consul, Vault, Okta	Software Packages	PostgreSQL, MySQL, MongoDB, L ^A T _E X, Adobe Photoshop, Office suites

Work Experience and Positions

- July 2015 – Present **Senior Software Engineer**, *BigBinary*, Remote/San Francisco, <https://bigbinary.com>. Full Stack Developer. Consulting for various clients of BigBinary. Notable work -
- o **Gumroad, Inc.** <https://gumroad.com>
Dockerized and terraformed the AWS infrastructure, tuned the performance of the application and reduced infrastructure costs by 10%.
 - o **Quor** <https://www.quorstudio.com>
Built financial analytics platform to manage agriculture farms.
 - o **Emami Frank Ross Ltd.** <https://www.quorstudio.com>
Helped move online pharmacy infrastructure from one AWS region to another.
- Jan 2013 – July 2015 **Software Architect**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Lead of one of the team. Designed and implemented solutions for the flagship product EngagementHQ while taking care of its DevOps, scalability and security. Notable work -
- o **Engagement tools**
Brainstormed and built various engagement tools including a new ideation tool.
 - o **Data migration**
Helped move 100+ clients from their individual Rails apps to the latest SaaS version of EngagementHQ.
- May 2012 – Dec 2012 **Software Engineer**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Contributed to the development of various software products of Bang the Table.
- Mar 2012 – Apr 2012 **Developer Intern**, *BangTheTable*, *Bangalore*, <https://bangthetable.com>. Learned and developed software for BangTheTable.
- Oct 2011 – Feb 2012 **Systems Programmer**, *Rainbowlive Technologies*, *Kochi*, <https://rainbowlive.in>. Developed computer network based products.

Education

- Bachelor's degree in Computer Science from Bharathiyar University, India.

Google Summer of Code (GSoC)

- 2014 **Language detection and filter in Diaspora**, *Swathanthra Malayalam Computing*.
Mentored a student who built the language detection and filter in Diaspora.
- 2013 **Grandham - Bibliography data project**, *Swathanthra Malayalam Computing*.
Built Grandham platform and APIs. Successfully completed the project.

Security Bounty

- **GitHub** – <https://bounty.github.com/researchers/ershad.html>
Found a security vulnerability in GitHub Gist.
- **Prezi.com** – <https://prezi.com/bugbounty/whitehats>
Found a security vulnerability which exposed title of presentations in database.

Open Source Contributions

- 2017 **GitLab, Inc.**, Built a feature to directly address users in description / comments.,
<http://contributors.gitlab.com/contributors/ershad-kunnakkadan/commits>.
 - 2012 **Wikimedia**, Fixed issues related to Universal Language Selector, <https://wikimedia.org>.
 - 2009 – Present **Swathanthra Malayalam Computing**, Developed and translated applications for the local community, <https://smc.org.in>.
- Other contributions**, <https://github.com/ershad>.

Blogs

- **BigBinary Blog** – <https://blog.bigbinary.com/authors/ershad>
Wrote technical posts on Ruby on Rails and DevOps.
- **Personal Blog** – <http://blog.ershadk.com>

Pet Projects

- **SaveCloudCost** <https://savecloudcost.com>
Work-in-progress side venture to help companies cut down their infrastructure costs.
- **TalentSpace**
Founded a hacker school and taught Ruby on Rails to 6 students over a span of 2 months.

- **QuizGrid** – <https://quizgrid.com> (Terminated)
A Social network based on quiz.
- **Myfest** – <https://myfest.in> (Terminated)
A web application in Ruby on Rails to find and share campus fests across India.
- **Salt Analysis Simulator**
Higher secondary school project. Simulation of laboratory salt analysis process.
- **Twitter Malayalam Dictionary bot**
A Malayalam dictionary twitter bot based on SILPA framework of SMC.

Achievements

- Nov 2012 **Hackathon, Wikimedia Foundation.**
Won the prize for 'The most innovative project' in Wikimedia DevCamp conducted at IIM Bangalore
- Jul 2012 **Hackathon, Innoz technologies, Bangalore.**
Won third prize in the National Level Hackathon conducted at Innoz technologies, Bangalore
- Mar 2012 **Shell Scripting Contest, Saintgits College of Engineering, Kottayam.**
Won first prize in the National Level Shell scripting competition conducted as a part of Nakshatra Tech fest
- Feb 2012 **Shell Scripting Contest – Scriptaculous, TKM College of Engineering, Kollam.**
Won first prize in the National Level Shell scripting competition conducted as a part of Conjura Tech fest
- Feb 2012 **Virus infiltration and healing competition – Virus Evacuation, College of Engineering Kalloppara, Pathanamthitta.**
Won first prize in the National Level Virus Healing Contest conducted as a part of Dhanus Tech fest
- Feb 2012 **Linux administration and bash scripting competition – Linux Guru, College of Engineering Kalloppara, Pathanamthitta.**
Won first prize in the National Level Linux based Contest conducted as a part of Dhanus Tech fest
- Feb 2012 **Ethical Hacking Contest – Haxploit, Amrita Vishwa Vidyapeetham, Kollam.**
Won first prize in the National Level Ethical Hacking Contest conducted as a part of Vidyut Tech fest
- Feb 2012 **Developing Software Bot Contest – Botomatic, Amrita Vishwa Vidyapeetham, Kollam.**
Won first prize in the National Level Software Bot Developing Contest conducted as a part of Vidyut Tech fest
- Oct 2011 **Shell Scripting Contest – Tux of War, National Institute of Technology, Calicut.**
Won first prize in the National Level Shell Scripting Contest conducted as a part of Tathva Tech fest
- Sep 2011 **Shell Scripting Contest – #!/bin/bash, Model Engineering College, Cochin.**
Won first prize in the National Level Shell Scripting Contest conducted as a part of Excelmec Tech fest
- Feb 2011 **Paper Presentation Competition: Git Version Control System, Nehru College of Engineering and Research Centre, Thrissur.**
Won first prize in the Paper Presentation Competition conducted as a part of Prayaana Tech fest

Talks and Workshops

- Feb 2014 **Programming in Ruby for fun and profit**, *National Institute of Technology, Calicut.*
Led a workshop introducing ruby and its industry applications
- Jan 2014 **Ruby Programming Language**, *NSS College of Engineering, Palakkad.*
Led a workshop in programming in Ruby
- Sep 2012 **Git Version Control System**, *MES College of Engineering, Kuttippuram, Malappuram.*
Led a workshop on Git Version Control System
- Apr 2012 **Introduction to free software**, *MES College of Engineering, Kuttippuram, Malappuram.*
Presented a talk on free software and package management in debian
- Jan 2012 **Free software and web technologies**, *NSS College of Engineering, Palakkad.*
Presented a talk on free software and web technologies
- Jan 2012 **GNU/Linux Command line tools and Shell scripting**, *NSS College of Engineering, Palakkad.*
Led a workshop on GNU/Linux command line tools and shell scripting
- Sep 2011 **Git Version Control System**, *NSS College of Engineering, Palakkad.*
Led a workshop on Git Version Control System
- Aug 2011 **Fun with programming and introduction to Free Software**, *NSS College of Engineering, Palakkad.*
Presented an introductory talk on free software and how to have fun with programming
- Jul 2011 **Fun with programming and introduction to Free Software**, *MES College of Engineering, Kuttippuram, Malappuram.*
Presented an introductory talk on free software and how to have fun with programming